

What Is Claimed Is:

1. A method for operating an internal combustion engine, comprising:
 - injecting a fuel into a combustion chamber via an injector that includes a drivable piezo-actuator;
 - generating a setpoint value for driving the piezo-actuator;
 - determining a setpoint charge quantity from the setpoint value;
 - determining an actual charge quantity supplied to the piezo-actuator;
 - combining the setpoint charge quantity and the actual charge quantity to produce a combined result; and
 - causing the combined result to act upon a drive circuit of the piezo-actuator.
2. The method as recited in Claim 1, further comprising:
 - determining a current for driving the piezo-actuator from the setpoint charge quantity;and
 - causing the combined result to act upon the current.
3. The method as recited in Claim 2, further comprising:
 - applying the setpoint charge quantity to a preset activation time.
4. The method as recited in Claim 3, further comprising:
 - determining the actual charge quantity at an end of the preset activation time.
5. The method as recited in Claim 1, further comprising:
 - causing a PI controller to influence the combined result.
6. The method as recited in Claim 1, wherein:
 - the method is used to open the injector.
7. The method as recited in Claim 1, further comprising:
 - generating a setpoint voltage for driving the piezo-actuator;
 - determining an actual voltage present at the piezo-actuator;

combining the setpoint voltage and the actual voltage to produce a second combined result; and
causing the second combined result to act upon the drive circuit of the piezo-actuator.

8. The method as recited in Claim 7, further comprising:
determining a second setpoint charge quantity;
determining a second current for driving the piezo-actuator from the second setpoint charge quantity; and
causing the second combined result to act upon the second current.

9. The method as recited in Claim 8, further comprising:
applying the second setpoint charge quantity to a preset deactivation time.

10. The method as recited in Claim 9, further comprising:
determining the actual voltage at an end of the deactivation time.

11. The method as recited in Claim 7, further comprising:
causing the PI controller to influence the second combined result.

12. The method as recited in Claim 7, wherein:
the method is used to close the injector.

13. The method as recited in Claim 12, further comprising:
one of discharging and short-circuiting the piezo-actuator via a resistor.

14. A computer program having a plurality of program commands that are programmed to perform the following:

injecting a fuel into a combustion chamber via an injector that includes a drivable piezo-actuator;
generating a setpoint value for driving the piezo-actuator;
determining a setpoint charge quantity from the setpoint value;
determining an actual charge quantity supplied to the piezo-actuator;

15. A memory medium on which is stored a computer program that is programmed to perform the following:

- injecting a fuel into a combustion chamber via an injector that includes a drivable piezo-actuator;
- generating a setpoint value for driving the piezo-actuator;
- determining a setpoint charge quantity from the setpoint value;
- determining an actual charge quantity supplied to the piezo-actuator;
- combining the setpoint charge quantity and the actual charge quantity to produce a combined result; and
- causing the combined result to act upon a drive circuit of the piezo-actuator.

16. A control and/or regulating unit capable of causing the following to be performed:

- injecting a fuel into a combustion chamber via an injector that includes a drivable piezo-actuator;
- generating a setpoint value for driving the piezo-actuator;
- determining a setpoint charge quantity from the setpoint value;
- determining an actual charge quantity supplied to the piezo-actuator;
- combining the setpoint charge quantity and the actual charge quantity to produce a combined result; and
- causing the combined result to act upon a drive circuit of the piezo-actuator.

17. An internal combustion engine, comprising:

- a control and/or regulating unit capable of causing the following to be performed:
 - injecting a fuel into a combustion chamber via an injector that includes a drivable piezo-actuator;
 - generating a setpoint value for driving the piezo-actuator;
 - determining a setpoint charge quantity from the setpoint value;
 - determining an actual charge quantity supplied to the piezo-actuator;
 - combining the setpoint charge quantity and the actual charge quantity to produce a combined result; and
 - causing the combined result to act upon a drive circuit of the piezo-actuator.